

## ABSTRACT

An image signal composed of sequential frames is input to a 3-dimensional image creating apparatus, frame by frame. A controller (102) designates the presence/absence of reduction, the presence/absence of joining and 2D select. An image converter (101) creates image data in the format designated by the presence/absence of reduction and the presence/absence of joining. A 3D information creator (103) creates 3D information necessary for displaying the image as a 3-dimensional image by formatting the presence/absence of reduction, the presence/absence of joining and 2D select. A multiplexer (104) converts image data and 3D information in a predetermined format and outputs them to the outside. In this way, it is possible to make the image data for 3-dimensional display versatile and select an arbitrary viewpoint image efficiently.